

Attorney's Docket No. K&A 00-1640  
Client's Docket No. LTS246

**APPLICATION**

**FOR UNITED STATES LETTERS PATENT**

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**SPECIFICATION**

TO ALL WHOM IT MAY CONCERN:

BE IT KNOWN THAT WE, **MUSSA A. ALMEER**, a citizen of QATAR, and **AMY K. GIESON**, a citizen of UNITED STATES OF AMERICA, have invented a new and useful **TAPE DISPENSER/APPLICATOR DEVICE** of which the following is a specification:

## TAPE DISPENSER/APPLICATOR DEVICE

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### BACKGROUND OF THE INVENTION

#### Field of the Invention

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The present invention relates to a tape dispenser and applicator and more particularly pertains to a new tape dispenser/applicator device for dispensing and applying tape to packages.

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#### Description of the Prior Art

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The use of a tape dispenser and applicator is known in the prior art. More specifically, a tape dispenser and applicator heretofore devised and utilized are known to consist basically of familiar, expected and obvious structural configurations, notwithstanding the myriad of designs encompassed by the crowded prior art which have been developed for the fulfillment of countless objectives and requirements.

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Known prior art includes U.S. Patent No. 4,993,586; U.S. Patent No. 4,355,720; U.S. Patent No. Des. 348,898; U.S. Patent No. 4,676,861; U.S. Patent No. 4,651,910; U.S. Patent No. 5,678,689; and U.S. Patent No. Des. 387,799.

While these devices fulfill their respective, particular objectives and requirements, the aforementioned patents do not disclose a new tape dispenser/applicator device. The inventive  
5 device includes a housing member having side walls and open top and bottom ends; and also includes a tape cartridge being removably disposed in the housing member and being adapted to store a stack of strips of adhesive tape therein; and further includes  
10 a plunger assembly being removably mounted to the housing member and being adapted to dispense the strips of adhesive tape from the tape cartridge and to apply the strips of adhesive tape selectively; and also includes a holder member being removably mounted upon the bottom end of the housing member.

15 In these respects, the tape dispenser/applicator device according to the present invention substantially departs from the conventional concepts and designs of the prior art, and in so doing provides an apparatus primarily developed for the purpose of dispensing and applying tape to packages.

## 20 SUMMARY OF THE INVENTION

In view of the foregoing disadvantages inherent in the known types of tape dispenser and applicator now present in the prior art,  
25 the present invention provides a new tape dispenser/applicator device construction wherein the same can be utilized for dispensing and applying tape to packages.

The general purpose of the present invention, which will be  
30 described subsequently in greater detail, is to provide a new tape dispenser/applicator device which has many of the advantages of the tape dispenser and applicator mentioned heretofore and many

novel features that result in a new tape dispenser/applicator device which is not anticipated, rendered obvious, suggested, or even implied by any of the prior art tape dispenser and applicator, either alone or in any combination thereof.

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To attain this, the present invention generally comprises a housing member having side walls and open top and bottom ends; and also includes a tape cartridge being removably disposed in the housing member and being adapted to store a stack of strips of  
10 adhesive tape therein; and further includes a plunger assembly being removably mounted to the housing member and being adapted to dispense the strips of adhesive tape from the tape cartridge and to apply the strips of adhesive tape selectively; and also includes a holder member being removably mounted upon the bottom end of  
15 the housing member.

There has thus been outlined, rather broadly, the more important features of the invention in order that the detailed description thereof that follows may be better understood, and in  
20 order that the present contribution to the art may be better appreciated. There are additional features of the invention that will be described hereinafter and which will form the subject matter of the claims appended hereto.

25 In this respect, before explaining at least one embodiment of the invention in detail, it is to be understood that the invention is not limited in its application to the details of construction and to the arrangements of the components set forth in the following description or illustrated in the drawings. The invention is capable  
30 of other embodiments and of being practiced and carried out in various ways. Also, it is to be understood that the phraseology and

terminology employed herein are for the purpose of description and should not be regarded as limiting.

As such, those skilled in the art will appreciate that the  
5 conception, upon which this disclosure is based, may readily be  
utilized as a basis for the designing of other structures, methods  
and systems for carrying out the several purposes of the present  
invention. It is important, therefore, that the claims be regarded as  
including such equivalent constructions insofar as they do not  
10 depart from the spirit and scope of the present invention.

Further, the purpose of the foregoing abstract is to enable the  
U.S. Patent and Trademark Office and the public generally, and  
especially the scientists, engineers and practitioners in the art who  
15 are not familiar with patent or legal terms or phraseology, to  
determine quickly from a cursory inspection the nature and essence  
of the technical disclosure of the application. The abstract is  
neither intended to define the invention of the application, which is  
measured by the claims, nor is it intended to be limiting as to the  
20 scope of the invention in any way.

It is therefore an object of the present invention to provide a  
new tape dispenser/applicator device which has many of the  
advantages of the tape dispenser and applicator mentioned  
25 heretofore and many novel features that result in a new tape  
dispenser/applicator device which is not anticipated, rendered  
obvious, suggested, or even implied by any of the prior art tape  
dispenser and applicator, either alone or in any combination  
thereof.

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It is another object of the present invention to provide a new tape dispenser/applicator device which may be easily and efficiently manufactured and marketed.

5 It is a further object of the present invention to provide a new tape dispenser/applicator device which is of a durable and reliable construction.

10 An even further object of the present invention is to provide a new tape dispenser/applicator device which is susceptible of a low cost of manufacture with regard to both materials and labor, and which accordingly is then susceptible of low prices of sale to the consuming public, thereby making such tape dispenser/applicator device economically available to the buying public.

15 Still yet another object of the present invention is to provide a new tape dispenser/applicator device which provides in the apparatuses and methods of the prior art some of the advantages thereof, while simultaneously overcoming some of the disadvantages normally associated therewith.

20 Still another object of the present invention is to provide a new tape dispenser/applicator device for dispensing and applying tape to packages.

25 Yet another object of the present invention is to provide a new tape dispenser/applicator device which includes a housing member having side walls and open top and bottom ends; and also includes a tape cartridge being removably disposed in the housing member and being adapted to store a stack of strips of adhesive tape therein; and further includes a plunger assembly being removably mounted to the housing member and being adapted to

dispense the strips of adhesive tape from the tape cartridge and to apply the strips of adhesive tape selectively; and also includes a holder member being removably mounted upon the bottom end of the housing member.

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Still yet another object of the present invention is to provide a new tape dispenser/applicator device that is easy and convenient to use.

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Even still another object of the present invention is to provide a new tape dispenser/applicator device that saves the user time when taping wrapping paper about packages.

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These together with other objects of the invention, along with the various features of novelty which characterize the invention, are pointed out with particularity in the claims annexed to and forming a part of this disclosure. For a better understanding of the invention, its operating advantages and the specific objects attained by its uses, reference should be made to the accompanying drawings and descriptive matter in which there are illustrated preferred

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embodiments of the invention.

## **BRIEF DESCRIPTION OF THE DRAWINGS**

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The invention will be better understood and objects other than those set forth above will become apparent when consideration is given to the following detailed description thereof. Such description makes reference to the annexed drawings wherein:

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Figure 1 is a top perspective view of a new tape dispenser/applicator device according to the present invention.

Figure 2 is a bottom perspective view of the dispensing and applying assembly of present invention.

Figure 3 is an exploded perspective view of the dispensing  
5 and applying assembly of the present invention.

Figure 4 is a cross-sectional view of the present invention.

## DESCRIPTION OF THE PREFERRED EMBODIMENT

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With reference now to the drawings, and in particular to Figures 1 through 4 thereof, a new tape dispenser/appliator device embodying the principles and concepts of the present invention and generally designated by the reference numeral 10 will be described.

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As best illustrated in Figures 1 through 4, the tape dispenser/appliator device 10 generally comprises a housing member 11 having side walls and open top and bottom ends 12,13. The housing member 11 also has top and bottom rims 14,16 being  
20 disposed at the open top end 12 and the open bottom end 13. The top and bottom rims 14,16 are disposed inwardly of the open top and bottom ends 12,13. The top rim 14 further has holes 15 being disposed therethrough. The housing member 11 has a length of approximately 5 to 6 inches, a width of approximately 3 inches, and  
25 a depth of approximately 2 inches.

A tape cartridge 17 is removably disposed in the housing member 11 and is adapted to store a stack of strips of adhesive tape 38 therein. The tape cartridge 17 includes a container having side and end walls 18,19 and also having open top and bottom ends  
30 20,21 and further having a beveled stop member 22 being conventionally disposed at the bottom end 21. The beveled stop member 22 is removably disposed upon the bottom rim 16 of the



housing member 11 and is adapted to allow the strips of adhesive tape 38 to be dispensed one at a time through the open bottom end 21 of the tape cartridge 17.

A plunger assembly is removably mounted to the housing member 11 and is adapted to dispense the strips of adhesive tape 38 from the tape cartridge 17 and to apply the strips of adhesive tape 38 selectively. The plunger assembly includes a plunger member 23 being engagable with the strips of adhesive tape 38 in the tape cartridge 17, and also includes an elongate plunger support member 24 having a bottom end securely and conventionally attached to the plunger member 24, and further includes a drive member 25 being conventionally attached to a top end of the elongate plunger support member 24, and also includes elongate drive support members 29,30 being securely and conventionally attached to the drive member 25, and further includes spring support members 31,32 being conventionally mounted about the elongate drive support members 29,30, and also includes spring members 33,34 being mounted about the elongate drive support members 29,30 for biasing the drive member 25 outwardly relative to the housing member 11. The plunger member 23 is pressable upon the stack of the strips of adhesive tape 38 in the tape cartridge 17. The drive member 25 has a top wall 26, and also has side and end walls 27,28 which are movably disposed about the housing member 11. The elongate drive support members 29,30 are movably disposed through the holes 15 in the top rim 14 of the housing member 11 and are securely and conventionally attached to an underside of the top wall 26. The spring support members 31,32 are washer-like members which are disposed about the elongate drive support members 29,30 and which are disposed upon the top rim 14 of the housing member

11. The spring members 33,34 are disposed between the top wall 26 of the drive member 25 and the spring support members 31,32.

A holder member 35 is removably mounted upon the bottom end 13 of the housing member 11. The holder member 35 includes  
5 a planar base portion 36 being adapted to rest upon a surface, and also includes an upper portion having a wall structure 37 being conventionally disposed along and attached to a perimeter of the planar base portion 36 and being adapted to receive the bottom end 13 of the housing member 11 therebetween.

10 In use, the user loads the tape cartridge with a stack of strips of adhesive tape 38, and places the plunger member 23 upon the top of the stack, and places the bottom end 13 of the housing member 11 upon the location to where the user wants to adhere a strip of adhesive tape, and presses upon the drive member 25 which urges  
15 the plunger member 23 upon the stack of strips of adhesive tape 38 with the bottom-most strips of adhesive tape being urged out of the tape cartridge 17 and upon the desired location.

As to a further discussion of the manner of usage and  
20 operation of the present invention, the same should be apparent from the above description. Accordingly, no further discussion relating to the manner of usage and operation will be provided.

With respect to the above description then, it is to be realized  
25 that the optimum dimensional relationships for the parts of the invention, to include variations in size, materials, shape, form, function and manner of operation, assembly and use, are deemed readily apparent and obvious to one skilled in the art, and all equivalent relationships to those illustrated in the drawings and  
30 described in the specification are intended to be encompassed by the present invention.

Therefore, the foregoing is considered as illustrative only of the principles of the invention. Further, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction and operation shown and described, and accordingly, all suitable modifications and equivalents may be resorted to, falling within the scope of the invention.